

HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 3

ATTORNEY DOCKET NO.

3174-000004

SERIAL NO.

09/754,537

APPLICANT

Bernard G. Harter et al.

FILING DATE

January 4, 2001

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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	<i>MP</i>	1,756,672	04/29/1930	J. M. Barr	310/259	
2.		3,979,821	09/14/1976	Noodleman	29/598	
3.		3,987,324	10/19/1976	Linkous	710/197	
4.		4,149,309	04/17/1979	Mitsui	29/596	
5.		4,418,307	11/29/1983	Hoffmann et al.	318/721	
6.		4,584,495	04/22/1986	Kordik	310/49R	
7.		4,819,460	04/11/1989	Obradovic	68/23.7	
8.		4,845,837	07/11/1989	Lloyd	29/518	
9.		4,922,165	05/01/1990	Crawford et al.	310/215	
10.		4,953,284	09/04/1990	Hammer et al.	29/596	
11.		4,998,052	03/05/1991	Erdman et al.	318/701	
12.		5,034,642	07/23/1991	Hoemann et al.	310/156	
13.		5,076,076	12/31/1991	Payne	68/12.14	
14.		5,161,393	11/10/1992	Payne et al.	68/12.04	
15.		5,194,775	03/16/1993	Cooper	310/260	
16.		5,252,902	10/12/1993	Uehara et al.	718/599	
17.		5,256,926	10/26/1993	Hagenlocher et al.	310/259	
18.		5,301,523	04/12/1994	Payne et al.	68/12.16	
19.		5,325,677	07/05/1994	Payne et al.	68/12.04	
20.	<i>S</i>	5,491,859	02/20/1996	Richardson	8/159	
21.	<i>MP</i>	5,563,463	10/08/1996	Stark	310/156	

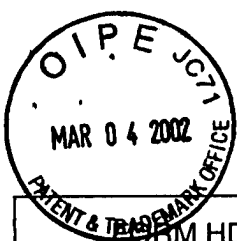
Examiner:

*Guillermo Perez*

Date Considered:

*7/12/02*

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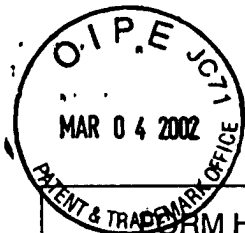
**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.	OR2	5,589,751	12/31/1996	Lim	318/701	
23.		5,720,065	02/24/1998	Myers	8/159	
24.		5,763,978	06/09/1998	Uchida et al.	310/215	
25.		5,777,416	07/07/1998	Kolomeitsev	310/168	
26.		5,859,518	01/12/1999	Vitunic	318/701	
27.		5,883,485	03/16/1999	Mehlhorn	318/701	
28.		5,923,141	07/13/1999	McHugh	318/701	
29.		5,955,861	09/21/1999	Jeong et al.	318/701	
30.		5,979,195	11/09/1999	Bestell et al.	68/232	
31.		5,982,117	11/09/1999	Taylor et al.	318/254	
32.		5,990,592	11/23/1999	Miura et al.	310/156	
33.		5,996,379	12/07/1999	Skrippek	68/140	
34.		6,011,368	01/04/2000	Kalpathi et al.	318/434	
35.		6,020,661	02/01/2000	Trago et al.	310/43	
36.		6,040,647	03/21/2000	Brown et al.	310/89	
37.		6,081,083	06/27/2000	Nashiki	318/254	
38.		6,092,619	07/25/2000	Nishikawa et al.	180/446	
39.		6,102,151	08/15/2000	Shimizu et al.	180/446	
40.	Y	6,107,772	08/22/2000	Liu et al.	318/701	
41.	MS	6,122,579	09/19/2000	Collier-Hallman et al.	701/41	

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42.	MP2	6,144,131	11/07/2000	Hollenbeck et al.	310/156	
43.	MP	6,188,196	02/13/2001	Koide et al.	318/100	
44.	MPA	6,218,753	04/17/2001	Asano et al.	310/156	

**FOREIGN PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	MP	DE2937838A	04/02/1981	Germany		X	
2.	MP	JP404049826A	02/19/1992	Japan		X	

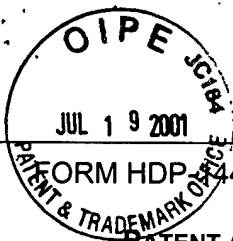
**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
1.	MP	Anthony J. Champagne, "Correlation of Electric Power Steering Vibration to Subjective Ratings", SAE Technical Paper Series 2000-01-0176, March 6-9, 2000, p. 1-3.
2.		Gallegos-Lopez/Kjaer/Miller, "A New Sensorless Method for Switched Reluctance Motor Drives", 1997, Department of Electronics and Electrical Engineering, p. 564-570.
3.		Mvungi/Stephenson, "Accurate Sensorless Rotor Position In An SR Motor, 1991, p. 76-79.
4.		Roy McCann, "Variable Effort Steering for Vehicle Stability Enhancement Using an Electric Power Steering System", SAE Technical Paper Series 2000-01-0817, March 6-9, 2000, p. 1-5.
5.		Toboldt/Johnson/Olive, "Goodheart-Wilcox Automotive Encyclopedia", 1989, p. 577-584.

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	MP	5,786,651	07/28/1998	Suzuki	310/259	
2.	MD	6,204,579	03/20/2001	Arpino	310/43	
3.	MD	6,219,900	04/24/2001	Suzuki	29/598	

FOREIGN PATENT DOCUMENTS						
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1.						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
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## U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	MP	6,049,153	04/11/2000	Nishiyama et al.	310/156	
2.	MP	6,127,753	10/03/2000	Yamazaki et al.	310/71	
3.	MP	6,226,856	05/08/2001	Kazama et al.	29/596	
4.	MP	6,300,700	10/09/2001	Nishiyama et al.	310/156.45	

## FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	MP	WO 01/95459 A1	12/13/2001	WIPO		X	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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1.	SPD	2,688,103	08/31/1954	D. F. Sheldon	310/254	
2.		5,212,419	05/18/1993	Fisher et al.	310/254	
3.		5,457,375	10/10/1995	Marcinkiewicz et al.	318/802	
4.		5,467,025	11/14/1995	Ray	324/772	
5.		5,583,387	12/10/1996	Takeuchi et al.	310/217	
6.		5,701,064	12/23/1997	Horst et al.	318/701	
7.		5,729,072	03/17/1998	Hirano et al.	310/258	
8.		5,793,179	08/11/1998	Watkins	318/701	
9.	SPD	5,929,590	07/27/1999	Tang	318/701	

## FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	SPD	1354338 A1	11/23/1987	Russia		X	

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